# CGWI

## COMPUTATIONAL GENOMICS WINTER INSTITUTE

## Wednesday 2/28/18

| Time | Room/Location | Event/Speaker |
|---|---|---|
| 8:00 - 9:00 | IPAM Lobby | Coffee |
| 9:15 - 10:00 | IPAM Lecture Hall | Interpreting the role of short tandem repeats in human phenotypes. **Melissa Gymerek** |
| 10:10 - 10:55 | IPAM Lecture Hall | Presentation Methods for analysis of rare genetic variants. **Alexis Battle** |
| 10:55 - 11:15 | IPAM Lobby | Coffee Break |
| 11:15 - 12:00 | IPAM Lecture Hall | Methods to characterize geographic structure in genetic variation. **John Novembre** |
| 12:00 - | Griffiths Observatory | Social Event: Picnic and hike |

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## COMPUTATIONAL GENOMICS WINTER INSTITUTE

### Thursday 3/1/18

| Time | Room/Location | Event/Speaker |
|------|---------------|---------------|
| 8:00 - 9:00 | IPAM Lobby | Coffee |
| 9:15 - 10:00 | IPAM Lecture Hall | AttentiveChrome-Deep Attention Model to Understand Gene Regulation by Selective Attention on Chromatin. **Yanjun Qi** |
| 10:10 - 10:55 | IPAM Lecture Hall | Machine learning methods for making sense of big genomic data. **William Noble** |
| 10:55 - 11:15 | IPAM Lobby | Coffee Break |
| 11:15 - 12:00 | IPAM Lobby | Journal Club |
| 12:00 - 1:30 | UCLA Campus/Westwood | Lunch Break (on your own) |
| 1:30 - 2:15 | IPAM Lecture Hall | Methods to navigate from the genome to the phenome through the transcriptome. **Haky Im** |
| 2:15 - 2:45 | IPAM Lobby | Coffee Break |
| 2:45 - 3:30 | IPAM Lecture Hall | A review of methods for genetic association studies using linear mixed models. **Noah Zaitlen** |
| 3:30 - 4:00 | IPAM Lobby | Coffee Break |
| 4:00 - 4:45 | IPAM Lecture Hall | Analysis of complex traits with genome-wide and multi-omic data. **Jian Yang** |
| 4:45 - | We have suggestions | Social Event: Dinner (on your own) |

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## COMPUTATIONAL GENOMICS **WINTER** INSTITUTE

## Friday 3/2/18

| Time | Room/Location | Event/Speaker |
|---|---|---|
| 8:00 - 9:00 | IPAM Lobby | Coffee |
| 9:15 - 10:00 | IPAM Lecture Hall | Large-scale inference across population biobanks. **Manny Rivas** |
| 10:10 - 10:55 | IPAM Lecture Hall | Unsupervised analysis of public data compendia with neural networks. **Casey Greene** |
| 10:55 - 11:15 | IPAM Lobby | Coffee Break |
| 11:15 - 12:00 | IPAM Lobby | Journal Club |
| 12:00 - 1:30 | UCLA Campus/Westwood | Lunch Break (on your own) |
| 1:30 - 2:15 | IPAM Lecture Hall | Computational Approaches for Inference and Analysis of Molecular Networks. **Sushmita Roy** |
| 2:15 - 2:45 | IPAM Lobby | Coffee Break |
| 2:45 - 3:30 | IPAM Lecture Hall | Interpretable Machine Learning for Precision Medicine. **Su-In Lee** |
| 3:30 - 4:00 | IPAM Lobby | Coffee Break |
| 4:00 - 4:45 | IPAM Lecture Hall | Causal analysis and directed network reconstruction in time series transcriptomic data. **Barbara Engelhardt** |
| 4:45 - | Wolfgang Puck Express Ackerman Center, UCLA | Social Event: Happy Hour |

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